

Schneider Series Service Manual

170CPS11100

1. Description

The Schneider Electric 170CPS11100 is a power supply adaptor designed for the Modicon Momentum series. Operating with adjustable input voltages of 120 to 230 Volts AC, it provides a stable output voltage of 24 Volts DC suitable for various applications.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Processors Adaptor Power Supply
Product	Line Modicon Momentum
Part	Number 170CPS11100
Input	Voltage Rating 120 to 230 Volts AC (adjustable)
Output	Voltage Rating 24 Volts DC
Ambient	Operating Temperature 0 to 60°C (in a non-condensing environment)
Operating	Altitude Less than 6,561.68 feet (2,000 meters) above sea level
Output	Current Rating 0.7 Amperes
Terminal	Connection Type Terminal strip connector
Storage	Temperature -25 to 70°C (in a non-condensing environment)
Local	Signalling 1 LED indicator (RUN)
Fuse	Rating 0.63 Amperes, 120 Volts, and 0.315 Amperes, 230 Volts
Humidity	Tolerance 5% to 95% relative humidity (without condensation)
Operating	Frequency 50 to 60 Hertz

3. Product Information

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Technical specifications for 170CPS11100

Manufacturer Schneider Electric

Product Type Processors Adaptor Power Supply

Product Line Modicon Momentum

Part Number 170CPS11100

Input Voltage Rating 120 to 230 Volts AC (adjustable)

Output Voltage Rating 24 Volts DC

Ambient Operating Temperature 0 to 60°C (in a non-condensing environment)

Operating Altitude Less than 6,561.68 feet (2,000 meters) above sea level

Output Current Rating 0.7 Amperes

Terminal Connection Type Terminal strip connector

Storage Temperature -25 to 70°C (in a non-condensing environment)

Local Signalling 1 LED indicator (RUN)

Fuse Rating 0.63 Amperes, 120 Volts, and 0.315 Amperes, 230 Volts

Humidity Tolerance 5% to 95% relative humidity (without condensation)

Operating Frequency 50 to 60 Hertz

Description

The part number 170CPS11100 from Schneider Electric is a robust processor adaptor power supply intended for the Modicon Momentum series. This unit is adaptable, supporting input voltage levels between 120 and 230 Volts AC, accommodating various system requirements. Its output delivers a constant 24 Volts DC, making it suitable for powering processes effectively.

Designed to perform in ambient temperatures from 0 to 60°C, the adaptor ensures reliable operation in non-condensing environments. It also tolerates operating altitudes up to approximately 6,561.68 feet (2,000 meters), enabling flexibility for diverse applications.

This power supply is equipped with a terminal strip connector type, facilitating straightforward connections in various setups. The device weighs 0.61 pounds (0.28 kilograms), contributing to its ease of installation and integration. For local signalling purposes, it incorporates a single RUN LED indicator, providing visual feedback on operational status.

In terms of environmental conditions, the unit is rated for a storage temperature range of -25 to 70°C and supports relative humidity levels from 5% to 95% without condensation. Furthermore, the fuse ratings are 0.63 Amperes for 120 Volts and 0.315 Amperes for 230 Volts, ensuring protection during operations. Overall, this power supply is designed to meet the demands of various industrial environments while maintaining efficiency and reliability.

Range of Product

Modicon Momentum automation platform

Product or Component Type

M1 processor adaptors power supply

Complementary

Input voltage

120 V adjustable by jumper AC

230 V adjustable by jumper AC

Nominal output current

0.7 A

Output voltage

24 V DC

Associated fuse rating

0.315 A 230 V

0.63 A aM 120 V

Local signalling

1 LED for module operating (RUN)

Connections - Terminals

Terminal strip connector

Net Weight

0.626 lb(US) (0.284 kg)

Environment

Ambient Air Temperature for Operation

32...140 °F (0...60 °C)

Ambient Air Temperature for Storage

-13...158 °F (-25...70 °C)

Relative Humidity

5...95 % without condensation

Operating altitude

<= 6561.68 ft (2000 m)

Ordering and shipping details

Category

18206-MOMENTUM PROCESSORS,I/O BASES,CONN.

Discount Schedule

PC31

GTIN

3389110069976

Returnability

No

Country of origin

DE